FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No.	Serial No.
		99,097	09/281,990
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	**Applicant:** John W. Elling and Susan I. Bassett	
		Filing Date: March 29, 1999	**Group:** 1631

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
MBS	1.	5,590,218	12/31/96	Ornstein	—	—	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
MBS	2.	WO 98/47087	10/22/98	PCT	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

MBS	3.	~~International Search Report of Application No. PCT/US00/04211, dated July 26, 2000~~
MBS	4.	van Osdol, W. W. et al., "Use of the Kohonen Self-organizing Map to Study the Mechanisms of Action of Chemotherapeutic Agents", Journal of the National Cancer Institute, 86:1853-1859 (1994).
	5.	Downs, G.M and Willett, P., "Similarity Searching and Clustering of Chemical-Structure Databases Using Molecular Property Data", J. Chem. Inf. Comput. Sci. 34:1094-1102 (1994).
	6.	Ornstein, L., "Computer Learning and the Scientific Method: A Proposed Solution to the Information Theoretical Problem of Meaning". Journal of the Mount Sinai Hospital, XXXII 437-494 (1965)
	7.	Barnard, J. M. and Downs, G. M., "Clustering of Chemical Structures on the Basis of Two-Dimensional Similarity Measures" Journal of Chemical Information and Computer Sciences, 32:644-649 (1992).
	8.	Grethe, G. and Hounshell, W. D., "Similarity Searching in the Development of New Bioactive Compounds. An Application.", Chemical Structure Proceedings International Conference, pgs. 399-407 (1993)

for Jain K et al. "Algorithms for clustering data" algorithms for clustering data pgs."

EXAMINER	DATE CONSIDERED
	5-20-02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

FORM PTO-1449
(Rev. 2-32)

U.S. Department of Commerce
Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use several sheets if necessary)

Atty. Docket No.	Serial No.
99,097	09/281,990

RECEIVED
SEP 0 5 2001
TECH CENTER 1600 2900

Applicant: John W. Elling and Susan I. Bassett

Filing Date:	Group:
March 29, 1999	1631

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
MBS	1	5,025,388	6/18/91	Cramer III et al.	—	—	
	2	5,307,287	04/26/94	Cremer III et al.	—	—	
	3	5,751,605	5/12/98	Hurst et al.	—	—	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

MBS	4	Cook, D.J. et al., Knowledge Discovery from Structural Data. *Journal of Intelligence and Information Sciences*, Vol. 5, No. 3, pp. 229-245 (1995).
	5	Djoko, S. et al., An Empirical Study of Domain Knowledge and its Benefits to Substructure Discovery. In *IEEE Transactions on Knowledge and Data Engineering*, Vol. 9, No. 4, pp. 1-13 (1997).
	6	Galal, G. et al., Improving Scalability in a Knowledge Discovery System by Exploiting Parallelism. In the Proceedings of the Third International Conference on Knowledge Discovery and Data Mining, pp. 171-174 (1997).

EXAMINER

FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 99,097	Serial No. 09/281,990
			RECEIVED SEP 0 5 2001
		Applicant: John W. Elling and Susan I. Bassett	TECH CENTER 1600/2900
		Filing Date: March 29, 1999	Group: 1631

AUG 2001

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use several sheets if necessary)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

MBS	8	Holder , L. B. et al., Fuzzy Substructure Discovery. In *Proceedings of the Ninth International Conference on Machine Learning*, pp. 218-223 (1992).
incomplete	9	~~Djoko, S. et al., Analyzing the Benefits of Domain Knowledge in Substructure Discovery. In *Proceedings of the First International Conference on Knowledge Discovery and Data Mining*, pp. 75-80 (1995).~~
MBS	10	Cook, D. J. et al., Scalable Discovery of Informative Structural Concepts Using Domain Knowledge. In *IEEE Expert*, Vol. 11, No. 5, pp. 59-68 (1996).
	11	Aude, J.C. et al., Applications of the pyramidal clustering method to biological objects. Computers & Chemistry 23: 301-315 (1999).
	12	Bertrand, P., Structural Properties of Pyramidal Clustering. DIMACS Series in Discrete Mathematics and Theoretical Computer Science, 19: 35-53 (1995).
	13	Fausett, L., Fundamentals of Neural Networks: Architectures, Algorithms, and Applications. pp. 169-188 (1994).
	14	Godden, Jeffrey W., et al. Combinatorial Preferences Affect Molecular Similarity/Diversity Calculations Using Binary Fingerprints and Tanimoto Coefficients. *J. Chem. Inf. Comput. Sci.* 2000, Vol. 40, pp. 163-166.
No Pub date	15	~~"Pyramids" Homepage: Including http://bioweb.pasteur.fr/docs-gensoft/pyramids/QuickStart.~~
	16	~~From the World Wide Web: http://www.tripos.com/software/charisma.html, printed 2/15/00.~~
	17	~~From the World Wide Web: http://www.tripos.com/about/press/1999/1999.03.23.html, printed 2/15/00.~~

EXAMINER	DATE CONSIDERED 5/24/02